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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
1488.0630002/EKS/KRM

APPLICATION NO.
09/712,142

APPLICANT
EBNER *et al.*

FILING DATE
November 15, 2000

GROUP
1647

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
DR	AA1	5,408,040	04/18/1995	Grotendorst <i>et al.</i>	530	399	12/14/1993
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
DR	AL1	EP 0 495 674 A2	07/22/1992	Europe			Yes No
	AM1	WO 96/01896	01/25/1996	WIPO			Yes No
	AN1	WO 98/58063	12/23/1998	WIPO			Yes No
	AO1	WO 99/14327	03/25/1999	WIPO			Yes No
DR	AP1	WO 99/21998	05/06/1999	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

DR	AR	1	Barton, G.J., "Protein sequence alignment and database scanning," in <i>Protein Structure Predication. A Practical Approach</i> , IRL Press at Oxford University Press, Oxford, UK, pp. 31-63 (1996).
	AS	1	Bork, P., "The modular architecture of a new family of growth regulators related to connective tissue growth factor," <i>FEBS Lett.</i> 327:125-130, Elsevier Science Publishers B.V. (1993).
DR	AT	1	Bowie, J.U. <i>et al.</i> , "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions," <i>Science</i> 247:1306-1310, American Association for the Advancement of Science (1990).

EXAMINER
David Rames

DATE CONSIDERED
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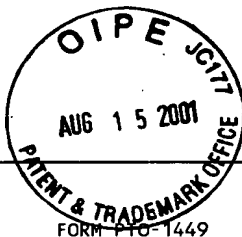
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PR	AR	2	Bradham, D.M. <i>et al.</i> , "Connective Tissue Growth Factor: a Cystein-rich Mitogen Secreted by Human Vascular Endothelial Cells Is Related to the SRC-induced Immediate Early Gene Product CEF-10," <i>J. Cell Biol.</i> 114:1285-1294, Rockefeller University Press (1991).
	AS	2	Daniel, C. <i>et al.</i> , "Mapping of Linear Antigenic Sites on the S Glycoprotein of a Neurotropic Murine Coronavirus with Synthetic Peptides: A Combination of Nine Prediction Algorithms Fails To Identify Relevant Epitopes and Peptide Immunogenicity Is Drastically Influenced by the Nature of the Protein Carrier," <i>Virology</i> 202:540-549, Academic Press, Inc. (1994).
PR	AT	2	DiCorleto, P.E., "Cultured Endothelial Cells Produce Multiple Growth Factors for Connective Tissue Cells," <i>Exp. Cell Res.</i> 153:167-172, Academic Press, Inc. (1984).

EXAMINER *David Roman*

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AR	AR	3	George, D.G. <i>et al.</i> , "Current Methods in Sequence Comparison and Analysis," in <i>Macromolecular Sequencing and Synthesis. Selected Methods and Applications</i> , D.H. Schlesinger (ed.), Alan R. Liss, Inc., New York, NY, pp.127-149 (1988).
AS	AS	3	Grotendorst, G.R., "Connective Tissue Growth Factor: a Mediator of TGF- β Action on Fibroblasts," <i>Cytokine & Growth Factor Reviews</i> 8:171-179, Elsevier Science Ltd. (September, 1997).
AT	AT	3	Henikoff, S. <i>et al.</i> , "Gene Families: The Taxonomy of Protein Paralogs and Chimeras," <i>Science</i> 278:609-614, American Association for the Advancement of Science (October, 1997).

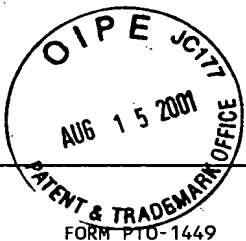
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AR	4	Igarashi, A. <i>et al.</i> , "Connective Tissue Growth Factor," <i>J. Dermatol.</i> 19:642-643, Blackwell Science Ltd. (1992).
AS	4	Igarashi, A. <i>et al.</i> , "Significant Correlation Between Connective Tissue Growth Factor Gene Expression and Skin Sclerosis in Tissue Sections from Patients with Systemic Sclerosis," <i>J. Invest. Dermatol.</i> 105:280-284, The Society for Investigative Dermatology, Inc. (August, 1995).
AT	4	Igarashi, A. <i>et al.</i> , "Connective Tissue Growth Factor Gene Expression in Tissue Sections From Localized Scleroderma, Keloid, and Other Fibrotic Skin Disorders," <i>J. Invest. Dermatol.</i> 106:729-733, The Society for Investigative Dermatology, Inc. (April, 1996).

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AR	5	Jalkanen, M. <i>et al.</i> , "Heparan Sulfate Proteoglycans from Mouse Mammary Epithelial Cells: Localization on the Cell Surface with a Monoclonal Antibody," <i>J. Cell Biol.</i> 101:976-984, The Rockefeller University Press (1985).
AS	5	Jalkanen, M. <i>et al.</i> , "Cell Surface Proteoglycans of Mouse Mammary Epithelial Cells Is Shed by Cleavage of Its Matrix-binding Ectodomain from Its Membrane-associated Domain," <i>J. Cell Biol.</i> 105:3087-3096, The Rockefeller University Press (1987).
AT	5	Kumar, S. <i>et al.</i> , "Identification and Cloning of a Connective Tissue Growth Factor-like cDNA from Human Osteoblasts Encoding a Novel Regulator of Osteoblast Functions," <i>J. Biol. Chem.</i> 274:17123-17131, The American Society for Biochemistry and Molecular Biology, Inc. (June, 1999).

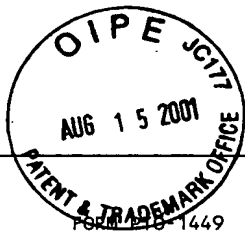
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AR	AR	6	Luckow, V.A. and Summers, M.D., "High Level Expression of Nonfused Foreign Genes with <i>Autographa californica</i> Nuclear Polyhedrosis Virus Expression Vectors," <i>Virology</i> 170:31-39, Academic Press, Inc. (1989).
AS	AS	6	Mathews, C.K. and van Holde, K.E., <i>Biochemistry, Second Edition</i> , The Benjamin/Cummings Publishing Company, Inc., Menlo Park, CA, pp.142-146 (1996).
AT	AT	6	Oemar, B.S., <i>et al.</i> , "Human Connective Tissue Growth Factor in Atherosclerosis and Restenosis," <i>Circulation (Suppl. 1)</i> 92:I-170 (Abstract 0811), American Heart Association (October, 1995).

EXAMINER

Donald Romeo

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AR	AR	Z	Pennica, D. <i>et al.</i> , "WISP genes are members of the connective tissue growth factor family that are up-regulated in Wnt-1 transformed cells and aberrantly expressed in human colon tumors," <i>Proc. Natl. Acad. Sci. USA</i> 95:14717-14722, The National Academy of Sciences of the USA (December, 1998).
	AS	Z	Ryseck, R.-P. <i>et al.</i> , "Structure, Mapping, and Expression of <i>fisp-12</i> , a Growth Factor-inducible Gene Encoding a Secreted Cysteine-rich Protein," <i>Cell Growth & Differentiation</i> 2:225-233, American Association for Cancer Research (1991).
AR	AT	Z	Sambrook, J. <i>et al.</i> , eds., "Expression of Cloned Genes in Cultured Mammalian Cells," Chapter 16 and Chapter 17, p.17.2 in <i>Molecular Cloning: A Laboratory Manual, Second Edition</i> , Cold Spring Harbor Laboratory Press, Cold Spring Harbor, New York, U.S.A. (1989).

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AR	8	Smith, D.B. and Johnson, K.S., "Single-step purification of polypeptides expressed in <i>Escherichia coli</i> as fusions with glutathione S-transferase," <i>Gene</i> 67:31-40, Elsevier Science Publishers B.V. (1988).
AS	8	Smith, T.F. and Waterman, M.S., "Comparison of Biosequences," <i>Adv. In Appl. Math.</i> 2:482-489, Academic Press, Inc.(1981).
AT	8	Xin, L.W. <i>et al.</i> , "Differential expression of novH and CTGF in human glioma cell lines," <i>J. Clin. Pathol.: Mol. Pathol.</i> 49:M91-M97, BMJ Publishing Group (April, 1996).

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	9	NCBI Entrez, GenBank Accession No. C01967, from Okubo, K. (July, 1996).
AS	9	NCBI Entrez, GenBank Accession No. AA187512, from Hillier, L. <i>et al.</i> (January, 1997).
AT	9	NCBI Entrez, GenBank Accession No. AA304688, from Adams, M.D. <i>et al.</i> (April, 1997).

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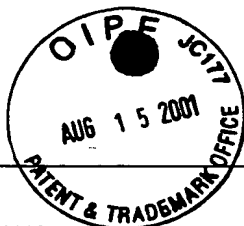
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AR	10	NCBI Entrez, GenBank Accession No. AA318364, from Adams, M.D. <i>et al.</i> (April, 1997).
AS	10	NCBI Entrez, GenBank Accession No. AA373233, from Adams, M.D. <i>et al.</i> (April, 1997).
AT	10	NCBI Entrez, GenBank Accession No. AA373257, from Adams, M.D. <i>et al.</i> (April, 1997).

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AR	11	NCBI Entrez, GenBank Accession No. AA373788, from Adams, M.D. <i>et al.</i> (April, 1997).
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AT	11	NCBI Entrez, GenBank Accession No. AA374626, from Adams, M.D. <i>et al.</i> (April, 1997).

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AR	AR	12	NCBI Entrez, GenBank Accession No. AA377456, from Adams, M.D. <i>et al.</i> (April, 1997).
AS	AS	12	NCBI Entrez, GenBank Accession No. AA385680, from Adams, M.D. <i>et al.</i> (April, 1997).
AT	AT	12	NCBI Entrez, GenBank Accession No. AA717584, from Marra, M. <i>et al.</i> (December, 1997).

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David Rorner

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AR	AR	13	NCBI Entrez, GenBank Accession No. AA754979, from Marra, M. <i>et al.</i> (January, 1998).
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FORM PTO-1449
SECOND SUPPLEMENTAL
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	AR		
	AS	13	Pending Non-Provisional U.S. Patent Application No. 09/912,292, Rosen et al., filed July 26, 2001, NOT PUBLISHED: Pages 1-75 (pages 1 + 2 partially redacted); portion of Table 2; and SEQ ID Nos.: 1762, 73132, and 46156.
	AT	13	Pending Non-Provisional U.S. Patent Application No. 09/912,293, Rosen et al., filed July 26, 2001, NOT PUBLISHED: Pages 1-75 (pages 1 + 2 partially redacted); portion of Table 2; and SEQ ID Nos.: 1762, 73132, and 196475.

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	FILING DATE November 15, 2000	GROUP 1647

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
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AR	AL2	WO 96/38168	12/05/1996	WIPO			Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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EXAMINER <i>David Rome</i>	DATE CONSIDERED <i>11/3/2</i>
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.